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Distributional Notes on Parasitic Mites

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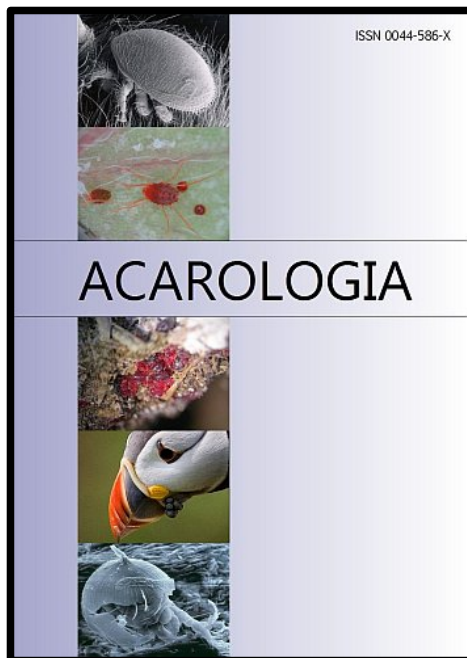


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DISTRIBUTIONAL NOTES ON PARASITIC MITES

BY

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Although much has been written on the systematics of mites little, to date, has been published regarding their distribution. STRANDTMAN and WHARTON (1958) have given distributional data on a large area basis *i.e.* United States, Mexico, etc., but have given only little specific distribution. Unfortunately much of our knowledge relative to mite distribution is limited to a knowledge of type localities. In the case of parasitic mites one cannot assume that the distribution of the parasite is the same as the host. Unfortunately at this time, we do not know what factors limit the distribution of parasitic mites.

The following is a list of parasitic mites taken in Nebraska. The names of the mites are in accordance with STRANDTMAN and WHARTON (1958), the mammal names are in accordance with MILLER and KELLOGG (1955) and the birds in accordance with RAPP *et al* (1958).

Order Acarina.
Suborder Mesostigmata.
Superfamily Parasitoidea.
Family Laelaptidae.

Genus HAEMOLAEAPS Berlese, 1910.

H. geomys Strandtman 1949.

Chadron, Dawes County, August 23, 1956.

Ex. Geomys bursarius hylaeus Blossom.

H. glasgowi (Ewing) 1925.

West Point, Cuming County, May 5, 1954, *ex. Peromyscus leucopus noveboracensis* (Fischer) ; Republican City, Harlan County, June 2, 1956, *ex. Peromyscus* nest ; Rulo, Richardson County, June 8, 1954, *ex. P. l. noveboracensis*.
Acarologia, t. IV, fasc. 1, 1962.

censis ; Wausa, Knox County, June 29, 1954, *Blarina b. brevicauda* (Say) ; Chadron, Dawes County, June 29, 1955, *Citellus tridecemlineatus pollidus* (J. A. Allen) ; *ibid* *Peromyscus maniculatus osgoodi* Mearns ; Crawford, Dawes County, May 25, 1956, *ex. Pedomys orchrogaster haydenii* (Baird) ; Montrose, Sioux County, May 23, 1956, *ex. P. m. osgoodi* nest ; Peru, Nehama County, April 25, 1956, *ex. P. l. noveboracensis* ; Crete, Saline County, June 3, 1955, *ex. P. l. noveboracensis* ; Chadron, Dawes County, August 24, 1956, *ex. P. o. haydenii* ; Crawford, Dawes County May 19, 1958 ; *P. m. osgoodi*.

This common mite is widely distributed over the Holaractic, ZUMPT and TILL (1956) and have reported it from central and southern Africa. As has been reported by STRANDTMANN (1949) and also by ZUMPT and TILL Nebraska specimens show intraspecific variations depending upon their host.

Genus LAELAPS Koch, 1836.

L. multispinosus Banks (1909).

Elm Creek, Buffalo County, December 3, 1954, *ex Ondalia zibethicus cinnamominus* (Hollister).

L. pachypus Koch (1839).

Chadron, Dawes County, August 23, 1956, *ex Pedomys orchrogaster haydenii* (Baird).

Family Dermanyssidae.

Genus HIRSTIONYSSUS Fonseca, 1948.

H. cynomys Radford (1941).

Milford, Seward Co., March 16, 1954, *ex P. l. noveboracensis* ; Crete, Saline County, August 14, 1954, *ex. P. l. noveboracensis* ; Benkleman, Dundy County, April 28, 1954, *ex. p. m. osgoodi*.

STRANDTMAN and WHARTON (1958) report this species only from *Cynomys* sp., however, STRANDTMANN has checked these specimens and reports them as typical.

Genus ORNITHONYSSUS Sambone, 1928.

O. sylviarum Canestrini and Fanzago (1877).

Bayard, Morrill County, May 22, 1955, *ex. Quiscolus q. versicolor* Vieillot ; Dunlap, Dawes County, March 12, 1958, *ex. Petrochelidon p. pyrrhonota* (Vieillot) nest ; South Yankton, Cedar County, August 11, 1955, *ex. P. p. pyrrhonota*.

Genus DERMANYSSUS Dugès, 1834.

D. americanus Ewing, 1922.

Lincoln, Lancaster County, July 27, 1957, *ex. Passer domesticus* (L.).

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